PTO-1449

LOSURE STATEMENT BY APPLICANT

Attorney's Docket Number RD29532-3

Serial Number 10/627394

Name of Applicant

Webb et al.

(Use several sheets if necessary)

Filing Date Group 07/25/2003 1625

Examiner Initial	Document Number	Date	T DOCUMENTS NAME		Class	Subc	lass	Filing Da	ite priale
CA	2,607,776	08/19/1952	Vinton		1		•	-	
CA	2,667,489	01/26/1954	Fincke						
CA	2,775,620	12/25/1956	Williamson						
CA	2,831,799	04/22/1958	Coouradt et al.			1			
CA	3,037,052	05/29/1962	Bortnick et al.						1
CA.	3,049,568	08/14/1962	Apel et al.		1				
CA	3,153,001	10/13/1964	Apel et al.					<u></u>	
/ A	3,172,916	03/09/1965	Wagner et al.		1				
CA	3,198,847	08/03/1965	Lanning		1				1
LA	3,242,219	03/22/1966	Farnham et al.		1				
CA	3,367,979	02/06/1968	Harper et al.			T			
CA	3,394,089	07/23/1968	McNutt et al.						
CA	3,634,341	01/11/1972	Gammill et al.	•					
<u> </u>	3,639,663	02/01/1972	Ayad et al.						
CA	3,651,080	03/21/1972	Doebel et al.		<u> </u>				\top
CA	3,760,006	09/18/1973	Gammill et al.	. \					1
10	4,036,974	07/19/1977	Walker et al.						\dagger
CA	4,045,379	08/30/1977	Kwantes et al.						1
CA	4,051,079	09/27/1977	Melby						\top
CA	4,053,522	10/11/1977	McClure et al.						1
CA	4,059,705	11/22/1977	Walker						
(A	4,122,048	10/24/1978	Buchwalder et al.		1	† †			
(A	4,123,542	10/31/1978	Walker		1	1	\dashv		
- A	4,126,618	11/21/1978	Winter et al.		1			•	\vdash

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

PTO-1449 Attorney's Docket Number RD29532-3 10/627394 INFORMATION DISCLOSURE STATEMENT BY APPLICANT LIST OF ITEMS (Use several sheets if necessary) Attorney's Docket Number RD29532-3 10/627394 Name of Applicant Webb et al. Filing Date Group 07/25/2003 1625

			T DOCUMENTS	 <u> </u>		
Examiner Initial	Document Number	Date	NAME	Class	Subclass	Filing Date if Appropriate
CA	4,177,350	12/04/1979	Zirngibl et al.			
CA	4,191,843	3/4/1980	Kwantes et al.			
(A	4,239,919	12/16/1980	Hairston			
CA	4,294,995	10/13/1981	Faler et al.	1		
LA	4,308,404	12/29/1981	Kwantes et al.		1-1-	
CA	4,308,405	12/29/1981	Kwantes			
[A]	4,315,023	02/09/1982	Partyka et al.			
CA	4,346,247	08/24/1982	Faler et al.			
10	4,365,099	12/21/1982	Faler et al.			
<u>/ Δ</u>	4,369,293	01/18/1983	Heydenreich et al.			
/ A	4,391,997	07/05/1983	Mendiratta	1		
10	4,396,728	08/02/1983	Faler	1		
(/ 	4,440,555	08/23/1983	Mendiratta	 		
CA	4,419,495	12/06/1983	Davis			
10	4,423,252	12/27/1983	Maki et al.	+		
[D	4,424,283	01/03/1984	Faler et al.	 +		
(0	4,439,545	03/27/1984	Aspisi et al.	1		
(A	4,448,899	05/15/1984	Hass	1		
A	4,455,409	06/19/1984	Faler et al.	 1		
11	4,478,956	10/23/1984	Maki et al.			
CA	4,496,667	01/29/1985	Reichgott et al.	 		
(A	4,535,084	08/13/1985	Lombardino et al.	 		
	4,549,900	10/29/1985	Kramer et al.	 		

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

Attorney's Docket Number Serial Number PTO-1449 RD29532-3 10/627394 INFORMATION DISCLOSURE STATEMENT BY APPLICANT Name of Applicant Webb et al. **LIST OF ITEMS Filing Date** Group (Use several sheets if necessary) 07/25/2003 1625 **U.S. PATENT DOCUMENTS** Filing Date If Appropriate NAME Subclass Examiner **Document Number** Date Class Initial 04/01/1986 4,579,857 Sherlock C/} 4,579,862 04/01/1986 Manley et al. 04/22/1986 4,584,383 Parhi 04/22/1986 4,584,416 Pressman et al. 05/20/1986 4,590,303 Mendiratta 4,595,704 06/17/1986 Fazio 4,822,923 04/18/1989 Li 4,825,010 04/25/1989 Li 05/02/1989 4,826,849 Heinemann et al. 08/22/1989 4,859,803 Shaw 5,100,460 03/31/1992 Desbordes et al. 08/25/1992 5,141,966 Porath 5,212,206 05/18/1993 Rudolph et al. 5,284,981 02/08/1994 Rudolph et al. 5,212,206 05/18/1993 Rudolph et al. 5,296,609 03/22/1994 McCort et al. 05/09/1995 5,414,152 Cipullo 5,436,344 07/25/1995 Quallich 5,589,517 12/31/1996 Sugawara et al. 5,700,943 12/23/1997 Daines 5,756,781 05/26/1998 Sybert et al. 5,780,690 07/14/1998 Berg et al. 07/28/1998 5,785,823 Meurer et al. 5,786,373 07/28/1998 Hartman et al. 5,789,628 08/04/1998 Auer et al. EXAMINER DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

PTO-1449			Attorney's Docket Number Serial Number RD29532-3 10/627394			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT LIST OF ITEMS (Use several sheets if necessary)		Name of Applicant Webb et al.				
		Filing Date Group 07/25/2003 1625				
· · · · ·		U.S. PATEN	T DOCUMENTS			
Examiner Initial	Document Number	Date	NAME	Class	Subclass	Filing Date If Appropriate
CA	5,914,431	06/22/1999	Fennhoff			
CA	5,929,249	07/27/1999	Hill et al.			
LA	5,939,494	08/17/1999	Wehmeyer et al.			
CA	5,973,103	10/26/1999	Silva et al.			
CA	6,013,845	01/11/2000	Allan et al.			
CA	6,020,385	02/01/2000	Halle et al.			
CA	6,114,539	09/05/2000	Jautelat et al.			
CA	6,133,190	10/17/2000	Wehmeyer et al.			
CA	6,133,486	10/17/2000	Maas et al.			
CA	US 6,211,417 B1	04/03/2001	Fengler et al.	1.		
CA	US 6,229,037 B1	05/08/2001	Okubo et al.			
CA	US 6,265,409 B1	07/24/2001	Cheshire et al.			
CA	US 6,288,284 B1	09/11/2001	Eek et al.			
CA	US 6,329,556 B1	12/11/2001	Sakura et al.			
CA	US 6,414,199 B1	07/02/2002	Saruwatari			
CA	US 6,414,200 B1	07/02/2002	Spivack et al.			
LA	US 6,534,686 B1	03/18/2003	Webb et al.	·		
CA	US 2002/0123656 A1	09/05/2002	Spivack			
CA	US 2003/0096939 A1	05/22/2003	Bodiger et al.			
CA	US 2003/0153792 A1	08/14/2003	lwahara et al.	Ī		l
						,
EXAMINER	Allak	U	DATE	CONSIDE	RED _ 2	18-05

* EXAMINER: Initial if reference considered, whether of not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

PTO-1449			Attorney's Docket Number RD29532-3	Serial Number 10/627394				
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Name of Applicant	10,02,0				
	LIST OF ITEMS		Webb et al. Filing Date	Group				
	(Use several sheets if necessar	·	07/25/2003	1625				
			ENT DOCUMENTS	T		TRANSI ATION		
Examiner Initial	Document Number	Date	COUNTRY	Class	Subclass	TRANSLATION YES NO		
CA	EP 0 552 518 B1	13.09.95	European			NO		
CA	EP 1 371 623 A1	17.12.03	European			NO		
CA	WO 01/49640	12.07.01	International			YES		
LA	WO 97/08122	06.03.97	International			NO		
CA	EP 0 171 758 B1	08.08.85	European			NO		
CA	EP 1 160 229 A1	05.12.01	European			NO		
CA	EP 0 567 107 A1	22.04.93	European			NO.		
CA	EP 0 421 210 A2	22.09.90	European			NO		
CA	EP 0 268 318 A1	29.10.87	European			NO		
CA	EP 0 243 546 A1	01.05.86	European			NO		
	OTHER INFORMATION (including author, title, date, pertinent)							
CA	Patent Abstracts of Japan: Ja	panese Publica	tion Number 2000-128819 D	ated 09.05	.2000			
CA	Patent Abstracts of Japan: Japanese Publication Number 2000-281608 Dated 10.10.2000							
CA	Patent Abstracts of Japan: Japanese Publication Number 2001-286770 Dated 16.10.2001							
CA	Patent Abstracts of Japan: Japanese Publication Number 2001-288132 Dated 16.10.2001							
CA	Patent Abstracts of Japan: Japanese Publication Number 2002-226417 Dated 14.08.2002							
CA	Patent Abstracts of Japan: Japanese Publication Number 2002-255880 Dated 11.09.2002							
CA	Patent Abstracts of Japan: Japanese Publication Number 2003-055286 Dated 26.02.2003							
CA	Patent Abstracts of Japan: Japanese Publication Number 2003-190805 Dated 08.07.2003							
CA	Patent Abstracts of Japan: Japanese Publication Number 2003-226661 Dated 12.08.2003							
CA	Patent Abstracts of Japan: Ja	panese Publica	tion Number 2003-246760 D	ated 02.09	.2003			
CA	Patent Abstracts of Japan: Ja	panese Publica	tion Number 08-038910 Date	ed 13.02.19	996	-		
CA	Patent Abstracts of Japan: Ja							
CA	Patent Abstracts of Japan: Ja							
CA	Patent Abstracts of Japan: Ja							
CA	Patent Abstracts of Japan: Ja	panese Publica	tion Number 05-271132 Date	ed 19.10.19	93			
EXAMINER	AUIA	4		CONSIDER	8 -	28-05		
* EXAMINER: and not conside	initial if reference considered, whether or ered. Include copy of this form with nex	or not citation is in control to	conformance with MPEP 609; Draw applicant.	line through (itation if not	conformance		

PTO-1449	Attorney's Docket Number RD29532-3	Serial Number 10/627394					
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Name of Applicant						
LIST OF ITEMS	Webb et al.						
EIOT OF TELLIO	Filing Date	Group					
(Use several sheets if necessary)	07/25/2003	1625					
OTHER INFORMATION (including author, title, date, pertinent)							
	Patent Abstracts of Japan: Japanese Publication Number 10-314595 Dated 02.12.1998						
	Patent Abstracts of Japan: Japanese Publication Number 10-328573 Dated 15.12.1998						
011	Patent Abstracts of Japan: Japanese Publication Number 11-124351 Dated 11.05.1999						
Cor	Patent Abstracts of Japan: Japanese Publication Number 11-179210 Dated 06.07.1999						
Patent Abstracts of Japan: Japanese Publicati		<u> </u>					
Patent Abstracts of Japan: Japanese Publicati	•						
<u> </u>	Patent Abstracts of Japan: Japanese Publication Number 2002-255879 Dated 11.09.2002						
	Patent Abstracts of Japan: Japanese Publication Number 2002-255881 Dated 11.09.2002						
	Patent Abstracts of Japan: Japanese Publication Number 2002-265402 Dated 18.09.2002						
	Patent Abstracts of Japan: Japanese Publication Number 2002-265403 Dated 18.09.2002						
Patent Abstracts of Japan: Japanese Publication							
Patent Abstracts of Japan: Japanese Publication							
Patent Abstracts of Japan: Japanese Publication							
Patent Abstracts of Japan: Japanese Publication							
	Patent Abstracts of Japan: Japanese Publication Number 10-314595 Dated 02.12.98						
CII '	Patent Abstracts of Japan: Japanese Publication Number 57-085335 Dated 28.05.82						
	EP 0249102 A3; Publication Date 1987-12-16 (DE 3619450) Abstract Only						
	FR 2685323; Publication Date 1993-06-25 Abstract Only						
	FR 2685221 Publication Date 1993-06-25 Abstract Only						
A EP 0166696 Publication Date 1986-01-02 Engl	A EP 0166696 Publication Date 1986-01-02 English Abstract (non-translated patent included)						
EXAMINER ALLIACH		ONSIDERED 1-28-05					
* EXAMINER: Initial if reference considered, Whether or not citation is in co and not considered. Include copy of this form with next communication to a	nformance with MPEP 609; Draw lin	ne through citation if not conformance					

PTO-1449		Attorney's Docket Number RD29532-3	Serial Number 10/627394					
INFORMATION DISCLOSURE STATEMENT BY APPLICANT LIST OF ITEMS								
		Filing Date	Group					
	(Use several sheets if necessary) OTHER INFORMATION (included)	07/25/2003	1625					
	OTHER INFORMATION (Include	ing author, title, date, pertinent						
CA	DE 19834951 Publication Date 1999-02-11 English Abstract (non-translated patent included)							
CA	Chemical Abstract No. XP002195035 abstract for JP 08 325185 A (10 December 1996)							
CA	Chemical Abstract No. XP002262268 abstract for "Preparation of lubricating oil additives from dimercaptothiadiazole" Journal of Industrial Engineering Chemistry, vol. 49, 1957							
(A	Chemical Abstract No. XP002132228 (19 November 1990) abstract for JP 02 167268 A (27 June 1990)							
CA	Chemical Abstract No. XP002271236 abstract for "Characteristics of the reaction of hemolytic and ionic addition of thiols to different vinyl derivatives of some imidazolethiones" TEZISY DOK. NAUCHN. SESS. KHIM. TEKHNOL. ORG. SOEDIN. SERY SERNISTYKH NEFTEI, 14 th (1976)							
CA	Chemical Abstract No. XP002262269 abstract for "Polydentate SNXM (X=S,O,N) ligands by selective reduction of organosulfur heterocycles with tributyltin hydride" PHOSPHORUS, SULFUR AND SILICON AND THE RELATED ELEMENTS (1996)							
CA	Chemical Abstract No. XP002271237 abstract for "Syntheses based on mercaptobenzothiazole, mercaptobenzoxazole and mercaptobenzimidazole. II. Reactions for 2-benzoxazolyl vinyl sulfide and 2-benzimidazolyl vinyl sulfide" IZVESTIYA AKADEMII NAUK SSSR, SERIYA KHIMICHESKAYA (1969)							
(A	Chemical Abstract No. XP002271238 abstract for "Behavior of N,S-divinyl-2-mercaptobenzimidazole in a thiolation reaction" KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (1975)							
CA	Chemical Abstract, Vol. 66, no.13, 27 March 1967, No. XP002132227 abstract for "Syntheses based on 2-benzothiazolyl vinyl sulfide" ZHURNAL ORGANICESKOI KHIMII (1966)							
CA	Chemical Abstract No. XP002271239 abstract for "Determination of urinary 2-mercaptobenzothiazole (2-MBT), the main metabolite of 2-(thiocyanomethylthio) benzothiazole (TCMTB) in humans and rats" ARCHIVES OF TOXICOLOGY (1996)							
CA	Chemical Abstract No. XP002271240 abstract for "Radical addition of thiols to vinyl derivatives for 4,5-diphenylimidazole –2- thione" KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (1976)							
(A	Chemical Abstract No. XP002271241 abstract for "Synthesis of a new class of polydentate ligands: [bis(2-imidazolyl)methyl]amino-thioether-thiols" INORGANICA CHIMICA ACTA (1984)							
CA	Sellmann et al. "Transition metal complexes with sulfur ligands. 136.¹ enforced trans coordination of thiolate donors in electron rich iron, ruthenium, and nickel [M(L)(pyN ₂ H ₂ S ₂)] and [M(L)(pyS ₄)] complexes (L=CO, PPh ₃ , DMSO) (pyN ₂ H ₂ S ₂ ² =2,6-Bis(2-mercaptophenylamino)dimethylpyridine(2-); pyS ₄ ² =2,6-Bis(2-mercaptophenylthio)dimethylpyridine(2-))" Inorg. Chem. 1999, 38, 5314-5322							
CA	Nekola et al. "Thiofunctional Vanadium Complexes" Inorg. Chem., 2002, 41, 2379-2384							
CA	International Search Report for PCT/US 03/06435 filing date 03/03/2003							
	,							
EXAMINER	AULAKH	DATE	CONSIDERED 6-29-05					
* FYAMINER: II	nitial if reference considered, whether or not citation is in co	onformance with MPEP 609: Draw I	ne through citation if not conformance					